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Date: February 24, 2004 By:

Kay L. Gaviglio05100
PATENT TRADEMARK OFFICEPATENT
Docket No. GC687-3-D1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

UTILITY PATENT
APPLICATION TRANSMITTAL

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

22581 U.S.PTO
10/787267
022504

Dear Sir:

Enclosed for filing is the utility patent application

- Continuation
 Divisional
 Continuation-in-Part

of prior application No. 09/922,501

Inventors: Veronique A. Dartois, James A. Hoch, Fernando Valle, Manoj Kumar

Title: 2,5-DKG Permeases

Also enclosed are:

1. Fee Transmittal Form submitted in duplicate
2. Specification Total Pages: 58
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Federal Sponsored R&D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claims
 - Abstract of the Disclosure
3. Drawing(s) (35 USC 113) Total Sheets: 4 (Fig. 1A – Fig. 3)

4. Oath or Declaration Total Pages: 3

- a. Newly executed (original or copy)
- b. Copy from a prior application (37 CFR 1.63(d))

5. Incorporation By Reference (useable if Box 4b is checked)

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4B, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. Microfiche Computer Program (Appendix)

7. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

- a. Computer Readable Copy (diskette)
- b. Paper Copy
- c. Statement verifying identity of above copies

Accompanying Application Parts:

8. Assignment Papers (cover sheet and documents)

9. 37 CFR 3.73(b) Statement (when there is an Assignee)

10. English Translation Document

11. Information Disclosure Statement (IDS/PTO-1449)

12. Preliminary Amendment.

13. Amend the specification by inserting before the first line the sentence:
--This is a continuation divisional continuation-in-part of application
Serial No. 09/922,501, filed August 3, 2001--.

14. Cancel in this application original claims 1-4, 8-10, 17-19, 28-35, 41-58 of
the prior application before calculating the filing fee.

The filing fee has been calculated as shown below:

	No. of Claims	Extra Claims	Rate	Fee
Basic Application Fee				\$770
Total Claims	30	MINUS 20 = 0	10 X \$ 18	180
Independent Claims	4	MINUS 3 = 0	1 X \$ 86	86
If Multiple Dependent Claims are presented, add \$290				-0-
Add Recording Fee of \$40.00 if Assignment document enclosed				-0-
Total Application Fee Due				\$1,036

- Please charge \$1036.00 to Deposit Account No. 07-1048 (Docket No. GC687-3-D1). This paper is submitted in duplicate.
- The Commissioner is hereby authorized to charge payment of the following fees associated with this communication, or credit any overpayment, to Deposit Account No. 07-1048 (Docket No. GC687-3-D1). This paper is submitted in duplicate.
 - Any additional fees required under 37 CFR 1.16.
 - Any patent application processing fees under 37 CFR 1.17.
- The Commissioner is hereby authorized to charge payment of the following fees during the pendency of this application, or credit any overpayment, to Deposit Account No. 07-1048 (GC687-3-D1). This paper is submitted in duplicate.
 - Any patent application processing fees under 37 CFR 1.17.
 - Any filing fees under 37 CFR 1.16 for presentation of extra claims.

Respectfully submitted,



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Date: February 24, 2004